

Appendix 5

Permit to Construct Application



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
 02/13/07

Please see instructions on page 2 before filling out the form.

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER			
1. Company Name	Renova Energy, Inc.		
2. Facility Name	Heyburn Ethanol Plant	3. Facility ID No.	
4. Brief Project Description - One sentence or less	Construction of new ethanol manufacturing plant.		
PERMIT APPLICATION TYPE			
5. <input checked="" type="checkbox"/> New Facility <input type="checkbox"/> New Source at Existing Facility <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modify Existing Source: Permit No.: _____ Date Issued: _____ <input type="checkbox"/> Required by Enforcement Action: Case No.: _____			
6. <input checked="" type="checkbox"/> Minor PTC <input type="checkbox"/> Major PTC			
FORMS INCLUDED			
Included	N/A	Forms	DEQ Verify
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form GI – Facility Information	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU0 – Emissions Units General	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU1 - Industrial Engine Information Please Specify number of forms attached: <u>2</u>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU4 - Cooling Tower Information Please Specify number of forms attached: <u>1</u>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU5 – Boiler Information Please Specify number of forms attached: <u>1</u>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form BCE - Baghouses Control Equipment	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form SCE - Scrubbers Control Equipment	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PP – Plot Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form FRA – Federal Regulation Applicability	<input type="checkbox"/>

DEQ USE ONLY
Date Received <div style="text-align: center;">RECEIVED</div> <div style="text-align: center;">FEB 28 2007</div> <div style="text-align: center;">DEPARTMENT OF ENVIRONMENTAL QUALITY STATE A/C PROGRAM</div>
Project Number
Payment / Fees Included? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <div style="text-align: right;">\$1000.00</div>
Check Number 9433



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PERMIT TO CONSTRUCT APPLICATION

Revision 1
 01/11/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION

1. Company Name	Renova Energy Idaho LLC
2. Facility Name (if different than #1)	Heyburn Ethanol Plant
3. Facility I.D. No.	Formerly: 067-00017
4. Brief Project Description:	Construction of new ethanol manufacturing plant

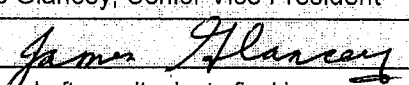
FACILITY INFORMATION

5. Owned/operated by: (✓ if applicable)	<input type="checkbox"/> Federal government <input type="checkbox"/> County government <input type="checkbox"/> State government <input type="checkbox"/> City government
6. Primary Facility Permit Contact Person/Title	James Glancey, Senior Vice President
7. Telephone Number and Email Address	208-336-3299 / jim.glancey@renovaenergy.com
8. Alternate Facility Contact Person/Title	
9. Telephone Number and Email Address	
10. Address to which permit should be sent	913 South Latah
11. City/State/Zip	Boise, ID 83705
12. Equipment Location Address (if different than #9)	Within the City Limits of Heyburn, east side of Highway 30, north side of 9 th Street
13. City/State/Zip	Heyburn, Idaho
14. Is the Equipment Portable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
15. SIC Code(s) and NAISC Code	Primary SIC: 2869 Secondary SIC (if any): NAICS: 325193
16. Brief Business Description and Principal Product	Ethanol manufacturing from corn.
17. Identify any adjacent or contiguous facility that this company owns and/or operates	None

PERMIT APPLICATION TYPE

18. Specify Reason for Application	<input checked="" type="checkbox"/> New Facility	<input type="checkbox"/> New Source at Existing Facility
	<input type="checkbox"/> Modify Existing Source: Permit No.: _____ Date Issued: _____	
	<input type="checkbox"/> Unpermitted Existing Source:	
	<input type="checkbox"/> Required by Enforcement Action: Case No.: _____	

CERTIFICATION

IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.	
19. Responsible Official's Name/Title	James Glancey, Senior Vice President
20. RESPONSIBLE OFFICIAL SIGNATURE	 <div style="float: right;">Date: 2-19-07</div>
21. <input checked="" type="checkbox"/> Check here to indicate you would like to review a draft permit prior to final issuance.	



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PERMIT TO CONSTRUCT APPLICATION

Revision 2
 02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION							
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:		
Brief Project Description:		Construction of new ethanol manufacturing plant.					
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION							
1. Emissions Unit (EU) Name:		GRAIN RECEIVING #1					
2. EU ID Number:		ES-1					
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:					
4. Manufacturer:		CUSTOM - DESIGNED					
5. Model:		CUSTOM - DESIGNED					
6. Maximum Capacity:		237,965 TONS/YR					
7. Date of Construction:		2007-2008					
8. Date of Modification (if any)							
9. Is this a Controlled Emission Unit?		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.					
EMISSIONS CONTROL EQUIPMENT							
10. Control Equipment Name and ID:		Baghouse / C-1					
11. Date of Installation:		2007-2008		12. Date of Modification (if any):			
13. Manufacturer and Model Number:		TBD: EQUIPMENT TO MEET PTC APPLICATION ASSUMPTIONS					
14. ID(s) of Emission Unit Controlled:		ES-1					
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)					
Control Efficiency		Pollutant Controlled					
		PM	PM10	SO ₂	NO _x	VOC	CO
		99.99%					
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.							
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)							
18. Actual Operation		8,760 HOURS/YEAR					
19. Maximum Operation		8,760 HOURS/YEAR					
REQUESTED LIMITS							
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)					
<input type="checkbox"/> Operation Hour Limit(s):							
<input type="checkbox"/> Production Limit(s):							
<input type="checkbox"/> Material Usage Limit(s):							
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports					
<input type="checkbox"/> Other:							
21. Rationale for Requesting the Limit(s):							



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IDENTIFICATION

Company Name: Renova Energy, Inc.	Facility Name: Heyburn Ethanol Plant	Facility ID No:
Brief Project Description:		Construction of new ethanol manufacturing plant.

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	GRAIN RECEIVING #2		
2. EU ID Number:	ES-2		
3. EU Type:	<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	CUSTOM - DESIGNED		
5. Model:	CUSTOM - DESIGNED		
6. Maximum Capacity:	237,965 TONS/YR		
7. Date of Construction:	2007-2008		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Baghouse / C-2					
11. Date of Installation:	2007-2008	12. Date of Modification (if any):				
13. Manufacturer and Model Number:	TBD: EQUIPMENT TO MEET PTC APPLICATION ASSUMPTIONS					
14. ID(s) of Emission Unit Controlled:	ES-2					
15. Is operating schedule different than emission units(s) involved?:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?:	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)					
	Pollutant Controlled					
Control Efficiency	PM 99.99%	PM10	SO ₂	NO _x	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8,760 HOURS/YEAR
19. Maximum Operation	8,760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		GRAIN MILLING AND CLEANING				
2. EU ID Number:		ES-3				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		237,965 TONS/YR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:		Baghouse / C-3				
11. Date of Installation:		2007-2008		12. Date of Modification (if any):		
13. Manufacturer and Model Number:		TBD: EQUIPMENT TO MEET PTC APPLICATION ASSUMPTIONS				
14. ID(s) of Emission Unit Controlled:		ES-3				
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
Control Efficiency	99.99%					CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION

Company Name: Renova Energy, Inc.	Facility Name: Heyburn Ethanol Plant	Facility ID No:
Brief Project Description:		Construction of new ethanol manufacturing plant.

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	BOILER		
2. EU ID Number:	ES-4		
3. EU Type:	<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	SUPERIOR		
5. Model:	8-X-11000-S200-WBCF-G		
6. Maximum Capacity:	73.65 MMBTU/HR		
7. Date of Construction:	2007-2008		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)					
	Pollutant Controlled					
Control Efficiency	PM	PM10	SO ₂	NO _x	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8,760 HOURS/YEAR
19. Maximum Operation	8,760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input checked="" type="checkbox"/> Other:	MAX ANNUAL BIOGAS FUEL USAGE =980,344,912 SCF/YR
21. Rationale for Requesting the Limit(s):	PREVENT EXCEEDANCE OF MAJOR SOURCE THRESHOLD FOR CO



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		ELECTRIC GENERATOR ENGINE #1				
2. EU ID Number:		ES-5				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CAT				
5. Model:		G3520C				
6. Maximum Capacity:		14.11 MMBTU/HR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input checked="" type="checkbox"/> Other:		MAX FUEL USAGE (2 GENERATORS) = 375.7 MM SCF/YR				
21. Rationale for Requesting the Limit(s):		PREVENT EXCEEDANCE OF MAJOR SOURCE THRESHOLD FOR CO				



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		ELECTRIC GENERATOR ENGINE #2				
2. EU ID Number:		ES-6				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CAT				
5. Model:		G3520C				
6. Maximum Capacity:		14.11 MMBTU/HR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:				12. Date of Modification (if any):		
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input checked="" type="checkbox"/> Other:		MAX FUEL USAGE (2 GENERATORS) = 375.7 MM SCF/YR				
21. Rationale for Requesting the Limit(s):		PREVENT EXCEEDANCE OF MAJOR SOURCE THRESHOLD FOR CO				



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		LOADING RACK				
2. EU ID Number:		ES-7				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MMGAL/YR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		ANAEROBIC DIGESTER TANK 1				
2. EU ID Number:		ES-8				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		293,000 GAL/DAY				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:		"Iron Sponge" H2S Scrubber / C-4				
11. Date of Installation:		2007-2008		12. Date of Modification (if any):		
13. Manufacturer and Model Number:		CUSTOM - DESIGNED				
14. ID(s) of Emission Unit Controlled:		ES-8				
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input checked="" type="checkbox"/> Other:		MAX BIOGAS PRODUCTION = 1,356 MMSCF/YR				
21. Rationale for Requesting the Limit(s):		PREVENT EXCEEDANCE OF MAJOR SOURCE THRESHOLD FOR CO				



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Please see instructions on page 2 before filling out the form.

IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		ANAEROBIC DIGESTER TANK 2				
2. EU ID Number:		ES-9				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #:			Date Issued:	
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		293,000 GAL/DAY				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:		"Iron Sponge" H2S Scrubber / C-4				
11. Date of Installation:		2007-2007		12. Date of Modification (if any):		
13. Manufacturer and Model Number:		Customized designed				
14. ID(s) of Emission Unit Controlled:		ES-9				
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input checked="" type="checkbox"/> Other:		MAX BIOGAS PRODUCTION = 1,356 MMSCF/YR				
21. Rationale for Requesting the Limit(s):		PREVENT EXCEEDANCE OF MAJOR SOURCE THRESHOLD FOR CO				



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		LDAR ALCOHOL PLANT				
2. EU ID Number:		FS-1				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/DAY				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		ETHANOL ABSORPTION COLUMN				
2. EU ID Number:		FS-2				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		SHIFT TANK (TK-801A)				
2. EU ID Number:		FS-3				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		10,033,197 GAL/YR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		SHIFT TANK (TK-801B)				
2. EU ID Number:		FS-4				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		10,033,197 GAL/YR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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PERMIT TO CONSTRUCT APPLICATION

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Please see instructions on page 2 before filling out the form.

IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		OFF-SPEC PRODUCT TANK (TK-803)				
2. EU ID Number:		FS-5				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		1,003,320 GAL/YR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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Emissions Unit - General Form EU0

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IDENTIFICATION

Company Name: Renova Energy, Inc.	Facility Name: Heyburn Ethanol Plant	Facility ID No:
Brief Project Description:	Construction of new ethanol manufacturing plant.	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	DENATURANT TANK (TK-808 A)		
2. EU ID Number:	FS-6		
3. EU Type:	<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	CUSTOM - DESIGNED		
5. Model:	CUSTOM - DESIGNED		
6. Maximum Capacity:	1,209,478 GAL/YR (BOTH DENATURANT TANKS COMBINED)		
7. Date of Construction:	2007-2008		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8,760 HOURS/YEAR
19. Maximum Operation	8,760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		DENATURANT TANK (TK-808 B)				
2. EU ID Number:		FS-7				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		1,209,478 GAL/YR (BOTH DENATURANT TANKS COMBINED)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 A)				
2. EU ID Number:		FS-8				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission unit(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 B)				
2. EU ID Number:		FS-9				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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Please see instructions on page 2 before filling out the form.

IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 C)				
2. EU ID Number:		FS-10				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #:			Date Issued:	
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 D)				
2. EU ID Number:		FS-11				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission unit(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION							
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:		
Brief Project Description:		Construction of new ethanol manufacturing plant.					
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION							
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 E)					
2. EU ID Number:		FS-12					
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:					
4. Manufacturer:		CUSTOM - DESIGNED					
5. Model:		CUSTOM - DESIGNED					
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)					
7. Date of Construction:		2007-2008					
8. Date of Modification (if any)							
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.					
EMISSIONS CONTROL EQUIPMENT							
10. Control Equipment Name and ID:							
11. Date of Installation:		12. Date of Modification (if any):					
13. Manufacturer and Model Number:							
14. ID(s) of Emission Unit Controlled:							
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)					
		Pollutant Controlled					
Control Efficiency		PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.							
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)							
18. Actual Operation		8,760 HOURS/YEAR					
19. Maximum Operation		8,760 HOURS/YEAR					
REQUESTED LIMITS							
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)					
<input type="checkbox"/> Operation Hour Limit(s):							
<input type="checkbox"/> Production Limit(s):							
<input type="checkbox"/> Material Usage Limit(s):							
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports					
<input type="checkbox"/> Other:							
21. Rationale for Requesting the Limit(s):							



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 F)				
2. EU ID Number:		FS-13				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission unit(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 G)				
2. EU ID Number:		FS-14				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #:			Date Issued:	
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 H)				
2. EU ID Number:		FS-15				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		PRODUCT STORAGE TANK (TK-810 I)				
2. EU ID Number:		FS-16				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		24 MM GAL/YR (PRODUCT STORAGE TANK GROUP)				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		WETCAKE STORAGE				
2. EU ID Number:		FS-17				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		CUSTOM - DESIGNED				
5. Model:		CUSTOM - DESIGNED				
6. Maximum Capacity:		21,161 LB/HR				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



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IDENTIFICATION

Company Name: Renova Energy, Inc.	Facility Name: Heyburn Ethanol Plant	Facility ID No:
Brief Project Description:		Construction of new ethanol manufacturing plant.

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	WETCAKE LOADOUT		
2. EU ID Number:	FS-18		
3. EU Type:	<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	CUSTOM - DESIGNED		
5. Model:	CUSTOM - DESIGNED		
6. Maximum Capacity:	21,161 LB/HR		
7. Date of Construction:	2007-2008		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?:	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8,760 HOURS/YEAR
19. Maximum Operation	8,760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		COOLING TOWER #1				
2. EU ID Number:		FS-19				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		MARLEY				
5. Model:		W433A-4.0-2				
6. Maximum Capacity:		2,800 GAL/MIN				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?:		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
 02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION						
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant			Facility ID No:	
Brief Project Description:		Construction of new ethanol manufacturing plant.				
EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION						
1. Emissions Unit (EU) Name:		COOLING TOWER #2				
2. EU ID Number:		FS-20				
3. EU Type:		<input checked="" type="checkbox"/> New Source <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:				
4. Manufacturer:		MARLEY				
5. Model:		W433A-3.0-3				
6. Maximum Capacity:		11,400 GAL/MIN				
7. Date of Construction:		2007-2008				
8. Date of Modification (if any)						
9. Is this a Controlled Emission Unit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Complete the following section. If No, go to line 18.				
EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:						
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:		<input type="checkbox"/> Yes <input type="checkbox"/> No				
16. Does the manufacturer guarantee the control efficiency of the control equipment?		<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach and label manufacturer guarantee)				
Control Efficiency		Pollutant Controlled				
		PM	PM10	SO ₂	NO _x	VOC
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						
EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)						
18. Actual Operation		8,760 HOURS/YEAR				
19. Maximum Operation		8,760 HOURS/YEAR				
REQUESTED LIMITS						
20. Are you requesting any permit limits?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)				
<input type="checkbox"/> Operation Hour Limit(s):						
<input type="checkbox"/> Production Limit(s):						
<input type="checkbox"/> Material Usage Limit(s):						
<input type="checkbox"/> Limits Based on Stack Testing		Please attach all relevant stack testing summary reports				
<input type="checkbox"/> Other:						
21. Rationale for Requesting the Limit(s):						



DEQ AIR QUALITY PROGRAM
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For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Industrial Engine Information **Form EU1**
PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION				
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant		Facility ID No:
Brief Project Description:		Construction of new ethanol manufacturing plant.		
EXEMPTION				
Please refer to IDAPA 58.01.01.222.01.c and d for a list of internal combustion engines that are exempt from the Permit to Construct requirements.				
ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS				
1. Type of Unit <input checked="" type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a unit with Permit #: Date Issued:				
2. Use of Engine: <input checked="" type="checkbox"/> Normal Operation <input type="checkbox"/> Emergency <input type="checkbox"/> Back-up <input type="checkbox"/> Other:				
3. Engine ID Number: ES-5		4. Rated Power: <input checked="" type="checkbox"/> 2,248 Brake Horsepower(bhp) <input checked="" type="checkbox"/> 1,600 Kilowatts(kW)		
5. Construction Date: 2007-2008		6. Manufacturer: CAT		7. Model: G3520C
8. Date of Modification (if applicable):		9. Serial Number (if available):		10 Control Device (if any):
FUEL DESCRIPTION AND SPECIFICATIONS				
11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input checked="" type="checkbox"/> Other Fuels (unit: noted)
12. Full Load Consumption Rate			13,800 scf/hr	23,056 scf/hr
13. Actual Consumption Rate			112.4 MMscf/yr	187.8 MM scf/yr
14. Sulfur Content wt%		N/A	N/A	700 ppm H2S
OPERATING LIMITS & SCHEDULE				
15. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): Max biogas combustion in both generators combined = 375.7 MMscf/yr				
16. Operating Schedule (hours/day, months/year, etc.): 24 hr/day, 365 days/yr				



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Industrial Engine Information **Form EU1**

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION				
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant		Facility ID No:
Brief Project Description:		Construction of new ethanol manufacturing plant.		
EXEMPTION				
Please refer to IDAPA 58.01.01.222.01.c and d for a list of internal combustion engines that are exempt from the Permit to Construct requirements.				
ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS				
1. Type of Unit <input checked="" type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a unit with Permit #: Date Issued:				
2. Use of Engine: <input checked="" type="checkbox"/> Normal Operation <input type="checkbox"/> Emergency <input type="checkbox"/> Back-up <input type="checkbox"/> Other:				
3. Engine ID Number: ES-6		4. Rated Power: <input checked="" type="checkbox"/> 2,248 Brake Horsepower(bhp) <input checked="" type="checkbox"/> 1,600 Kilowatts(kW)		
5. Construction Date: 2007-2008		6. Manufacturer: CAT		7. Model: G3520C
8. Date of Modification (if applicable):		9. Serial Number (if available):		10 Control Device (if any):
FUEL DESCRIPTION AND SPECIFICATIONS				
11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input checked="" type="checkbox"/> Other Fuels (unit: noted)
12. Full Load Consumption Rate			13,800 scf/hr	23,056 scf/hr
13. Actual Consumption Rate			112.4 MMscf/yr	187.3 MM scf/yr
14. Sulfur Content wt%		N/A	N/A	700 ppm H ₂ S
OPERATING LIMITS & SCHEDULE				
15. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): Max biogas combustion in both generators combined = 375.7 MMscf/yr				
16. Operating Schedule (hours/day, months/year, etc.): 24 hr/day, 365 days/yr				



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Cooling Towers Information **Form EU4**
PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/14/07

Please see instructions on page 3 before filling out the form.

IDENTIFICATION				
Company Name: Renova Energy, Inc.	Facility Name: Heyburn Ethanol Plant		Facility ID No:	
Brief Project Description:	Construction of new ethanol manufacturing plant.			
COOLING TOWER IDENTIFICATION AND DESCRIPTION				
	Tower 1	Tower 2	Tower 3	Tower 4
1. Emission Unit Name	Cooling Tower #1	Cooling Tower #2		
2. Emission Unit ID Number	FS-19	FS-20		
3. Stack/Vent ID Number	NA	NA		
4. Tower Type (N: New, U: Unpermitted, M: Modification)	<input checked="" type="checkbox"/> N, <input type="checkbox"/> U, <input type="checkbox"/> M	<input checked="" type="checkbox"/> N, <input type="checkbox"/> U, <input type="checkbox"/> M	<input type="checkbox"/> N, <input type="checkbox"/> U, <input type="checkbox"/> M	<input type="checkbox"/> N, <input type="checkbox"/> U, <input type="checkbox"/> M
5. Current Permit Number	NA	NA		
6. Tower Construction Date	2007-2008	2007-2008		
7. Tower Manufacturer	Marley	Marley		
8. Tower Model Number	W433A-4.0-2	W433A-3.0-3		
9. Number of Cells in Tower	Unknown	Unknown		
10. Tower Maximum Water Flow Rate	2,800 GAL/MIN	11,400 GAL/MIN		
11. Measured TDS Content (if known)	NA	NA		
12. Do You Use Additives in the Water? If Yes, Provide an MSDS form for each additive	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
CONTROL EQUIPMENT INFORMATION				
13. Control Equipment	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
14. Control Equipment ID Number				
15. Control Equipment Efficiency				
OPERATING SCHEDULE				
16. Actual Operation (hours per year)	8,760	8,760		
17. Maximum Operation (hours per year)	8,760	8,760		
REQUEST FOR PERMIT LIMITATIONS				
18. Are you requesting any permit limits?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes. If Yes, fill in all that apply below.			
Tower Served	Operation Hour Limits:	TDS Limits (ppm):	Material Usage Limits:	Other:
Tower 1				
Tower 2				
Tower 3				
Tower 4				

19. Rationale for Requesting the Limit(s):



DEQ AIR QUALITY PROGRAM
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For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
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Please see instructions on page 3 before filling out the form.

IDENTIFICATION				
Company Name: Renova Energy, Inc.		Facility Name: Heyburn Ethanol Plant		Facility ID No:
Brief Project Description: Construction of new ethanol manufacturing plant.				
EXEMPTION				
Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.				
Boiler (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS				
1. Type of Request <input checked="" type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a unit with Permit #:				
2. Use of Boiler: <input checked="" type="checkbox"/> % Used For Process <input type="checkbox"/> % Used For Space Heat <input type="checkbox"/> % Used For Generating Electricity <input type="checkbox"/> Other:				
3. Boiler ID Number: ES-4		4. Rated Capacity: <input checked="" type="checkbox"/> 73.65 Million British Thermal Units Per Hour (MMBtu/hr) <input type="checkbox"/> 1,000 Pounds Steam Per Hour (1,000 lb)		
5. Construction Date: 2007-2008		6. Manufacturer: Superior		7. Model: 8-X-11000-S200-WBCF-G
8. Date of Modification (if applicable):		9. Serial Number (if available):		10. Control Device (if any): Note: Attach applicable control equipment form(s)
FUEL DESCRIPTION AND SPECIFICATIONS				
11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input checked="" type="checkbox"/> Other Fuels (unit: /hr)
12. Full Load Consumption Rate		72,000 scf/hr		120,335 scf/hr
13. Actual Consumption Rate		72,000 scf/hr		980.3 MMscf/yr
14. Fuel Heat Content (Btu/unit, LHV)		1,020 Btu/scf		612 Btu/scf
15. Sulfur Content wt%				700 ppm H ₂ S
16. Ash Content wt%		N/A		
STEAM DESCRIPTION AND SPECIFICATIONS				
17. Steam Heat Content	NA	NA		
18. Steam Temperature (°F)	N/A	N/A		
19. Steam Pressure (psi)	N/A	N/A		
20. Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated
OPERATING LIMITS & SCHEDULE				
21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): 982.8 MMscf/yr biogas				


22. Operating Schedule (hours/day, months/year, etc.): 24 hr/day, 365 days/yr


PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 2 before filling out the form.

[illegible]

		DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 1-877-5PERMIT		PERMIT TO CONSTRUCT APPLICATION Revision 2 2/14/2007											
Company Name:		Renova Energy, Inc.		Heyburn Ethanol Plant											
Facility Name:															
Facility ID No.:															
Brief Project Description:		Construction of new ethanol manufacturing plant.		Please see instructions on next page before filling out the form.											
SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES															
1.		2.		PM ₁₀		SO ₂		NO _x		CO		VOC		Lead	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Point Source(s)															
Grain Receiving #1/Baghouse	ES-1/C-1	0.74	3.24												
Grain Receiving #2	ES-2/C-2	0.18	0.79												
Grain Milling and Cleaning	ES-3/C-3	0.05	0.21												
Boiler	ES-4	0.55	2.24	14.00	57.10	7.16	3.17	1.58	6.39	0.66	2.70				
Electric Generator Engine #1	ES-5	0.00	0.00	2.69	10.94	2.48	10.09	11.15	45.42	1.67	6.78				
Electric Generator Engine #2	ES-6	0.00	0.00	2.69	10.94	2.48	10.09	11.15	45.42	1.67	6.78				
Loading Rack	ES-7									1.67	7.72				
Anaerobic Digester Tank 1	ES-8														
Anaerobic Digester Tank 2	ES-9														
name of the emissions unit10															
name of the emissions unit11															
name of the emissions unit12															
name of the emissions unit13															
name of the emissions unit14															
name of the emissions unit15															
name of the emissions unit16															
name of the emissions unit17															
name of the emissions unit18															
name of the emissions unit19															
name of the emissions unit20															
name of the emissions unit21															
(insert more rows as needed)															
Total		1.52	6.48	19.38	78.98	12.12	23.35	23.88	97.23	5.67	23.98				

 DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 877-5PERMIT		PERMIT TO CONSTRUCT APPLICATION Revision 1 1/11/2007													
Company Name: Renova Energy, Inc.		Heyburn Ethanol Plant													
Facility Name:															
Facility ID No.:															
Brief Project Description: Construction of new ethanol manufacturing plant.															
Please see instructions on next page before filling out the form.															
SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES															
3.															
1.		2.		PM ₁₀		SO ₂		NO _x		CO		VOC		Lead	
Fugitive Source Name	Fugitive ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
LDAR Alcohol Plant	FS-1											0.82	3.60		
Ethanol Absorption Column	FS-2											7.17	31.40		
Shift Tank (TK-801 A)	FS-3											0.05	0.22		
Shift Tank (TK-801 B)	FS-4											0.05	0.22		
Off-Spec Product Tank (TK-803)	FS-5											0.05	0.22		
Denaturant Tank (TK-808 A)	FS-6											0.54	2.35		
Denaturant Tank (TK-808 B)	FS-7											0.54	2.35		
Product Storage Tank (TK-810 A)	FS-8											0.12	0.51		
Product Storage Tank (TK-810 B)	FS-9											0.12	0.51		
Product Storage Tank (TK-810 C)	FS-10											0.12	0.51		
Product Storage Tank (TK-810 D)	FS-11											0.12	0.51		
Product Storage Tank (TK-810 E)	FS-12											0.12	0.51		
Product Storage Tank (TK-810 F)	FS-13											0.12	0.51		
Product Storage Tank (TK-810 G)	FS-14											0.12	0.51		
Product Storage Tank (TK-810 H)	FS-15											0.12	0.51		
Product Storage Tank (TK-810 I)	FS-16											0.12	0.51		
Wetcake Storage	FS-17											0.18	0.80		
Wetcake Loadout	FS-18											0.18	0.80		
Cooling Tower #1	FS-19	0.02	0.10												
Cooling Tower #2	FS-20	0.09	0.40												
Name of Fugitive Source 21															
... (insert more rows as needed)															
Total		0.11	0.50									10.67	46.55		



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the Air Permit
Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION


Revision 2
2/14/2007

Please see instructions on next page before filling out the form.

Company Name:	Renova Energy, Inc.
Facility Name:	Heyburn Ethanol Plant
Facility ID No.:	
Brief Project Description:	Construction of new ethanol manufacturing plant.

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES

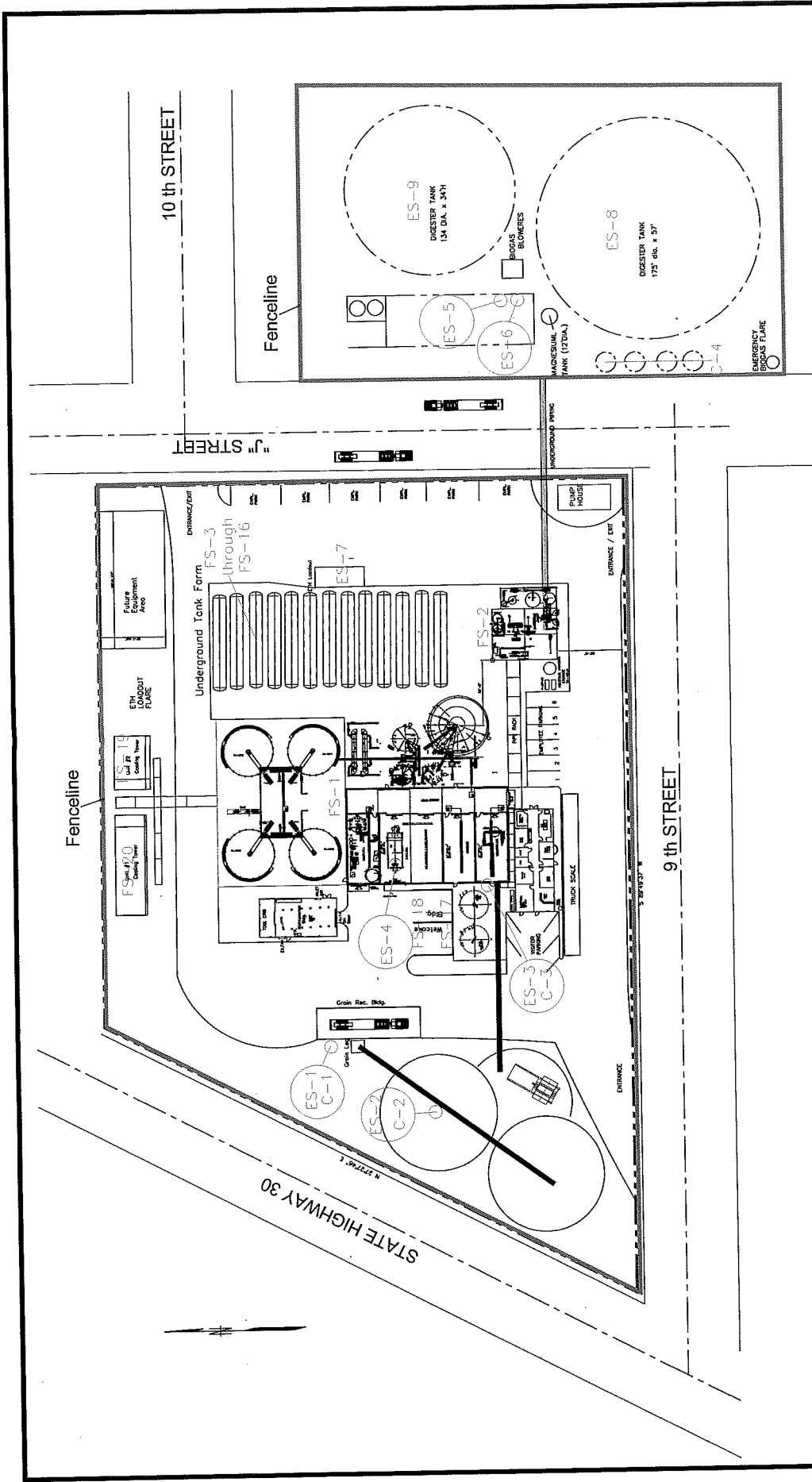
1. Emissions units	2. Stack ID	3. Point Source(s)										VOC			Lead		
		PM ₁₀	SO ₂	NO _x	CO	CO	CO	CO	CO	CO	CO	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Grain Receiving #1/Baghouse	ES-1/C-1	0.74	3.24														
Grain Receiving #2	ES-2/C-2	0.18	0.79														
Grain Milling and Cleaning	ES-3/C-3	0.05	0.21														
Boiler	ES-4	0.55	2.24														
Electric Generator Engine #1	ES-5	0.00	0.00														
Electric Generator Engine #2	ES-6	0.00	0.00														
Loading Rack/Vapor Combustion U	ES-7																
Anaerobic Digester Tank 1	ES-8																
Anaerobic Digester Tank 2	ES-9																
name of the emissions unit10																	
name of the emissions unit11																	
name of the emissions unit12																	
name of the emissions unit13																	
name of the emissions unit14																	
name of the emissions unit15																	
name of the emissions unit16																	
name of the emissions unit17																	
name of the emissions unit18																	
name of the emissions unit19																	
name of the emissions unit20																	
name of the emissions unit21																	
(insert more rows as needed)																	
Total		1.52	6.48	19.38	78.98	12.12	23.35	23.88	97.23	5.67	23.98						

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 1-877-5PERMIT		PERMIT TO CONSTRUCT APPLICATION Revision 2 2/14/2007	
	Company Name: Renova Energy, Inc.		Heyburn Ethanol Plant	
	Facility Name:			
	Facility ID No.:			
	Brief Project Description: Construction of new ethanol manufacturing plant.			

Please see instructions on next page before filling out the form.

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - FUGITIVE SOURCES

3. Air Pollutant Maximum Change in Emissions Rate (lbs/hr or t/yr)													
1.	2.	PM ₁₀		SO ₂		NO _x		CO		VOC		Lead	
Fugitive Source Name	Fugitive ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Fugitive Source(s)													
LDAR Alcohol Plant	FS-1									0.82	3.60		
Ethanol Absorption Column	FS-2									7.17	31.40		
Shift Tank (TK-801 A)	FS-3									0.05	0.22		
Shift Tank (TK-801 B)	FS-4									0.05	0.22		
Off-Spec Product Tank (TK-803)	FS-5									0.05	0.22		
Denaturant Tank (TK-808 A)	FS-6									0.54	2.35		
Denaturant Tank (TK-808 B)	FS-7									0.54	2.35		
Product Storage Tank (TK-810 A)	FS-8									0.12	0.51		
Product Storage Tank (TK-810 B)	FS-9									0.12	0.51		
Product Storage Tank (TK-810 C)	FS-10									0.12	0.51		
Product Storage Tank (TK-810 D)	FS-11									0.12	0.51		
Product Storage Tank (TK-810 E)	FS-12									0.12	0.51		
Product Storage Tank (TK-810 F)	FS-13									0.12	0.51		
Product Storage Tank (TK-810 G)	FS-14									0.12	0.51		
Product Storage Tank (TK-810 H)	FS-15									0.12	0.51		
Product Storage Tank (TK-810 I)	FS-16									0.12	0.51		
Wetcake Storage	FS-17									0.12	0.51		
Wetcake Loadout	FS-18									0.18	0.80		
Cooling Tower #1	FS-19	0.02	0.10							0.18	0.80		
Cooling Tower #2	FS-20	0.09	0.40										
Name of Fugitive Source 21													
(insert more rows as needed)													
Total		0.11	0.50							10.67	46.55		



MSE

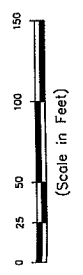
Millennium Science & Engineering, Inc.

1605 North 13th Street
 Boise, ID 83702
 (208) 345-8292 (phone)
 (208) 344-8007 (fax)

Site Plan

Proposed Ethanol Plant
 Renova Energy, Inc.
 Heyburn, Idaho

02-19-07 Figure 1



	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 1-877-5PERMIT	PERMIT TO CONSTRUCT APPLICATION Revision 2 2/14/2007
	Company Name: Renova Energy, Inc. Facility Name: Heyburn Ethanol Plant Facility ID No.: Brief Project Description: Construction of new ethanol manufacturing plant.	

Company Name:		Renova Energy, Inc.							
Facility Name:		Heyburn Ethanol Plant							
Facility ID No.:									
Brief Project Description:		Construction of new ethanol manufacturing plant.							
Please see instructions on next page before filling out the form.									
SUMMARY OF AIR IMPACT ANALYSIS RESULTS - CRITERIA POLLUTANTS									
		1.		2.	3.	4.		5.	
Criteria Pollutants	Averaging Period	Significant Impact Analysis Results (µg/m3)	Significant Contribution Level (µg/m3)	Full Impact Analysis Results (µg/m3)	Background Concentration (µg/m3)	Total Ambient Impact (µg/m3)	NAAQS (µg/m3)	Percent of NAAQS	
	PM ₁₀	24-hour	NA	5	30.10	81.00	111.10	150	71%
		Annual	NA	1	9.30	27.00	36.30	50	70%
		3-hr	NA	25	176.00	42.00	218.00	1300	17%
	SO ₂	24-hr	NA	5	93.50	26.00	119.50	365	33%
Annual		NA	1	24.30	8.00	32.30	80	40%	
NO ₂	Annual	NA	1	20.40	32.00	52.40	100	52%	
CO	1-hr	NA	2000	804.00	10,200.00	11,004.00	40000	28%	
	8-hr	NA	500	661.00	3,400.00	4,061.00	10000	41%	

Please see instructions on next page before filling out the form.

[illegible]

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 1-877-5PERMIT	PERMIT TO CONSTRUCT APPLICATION Revision 2 2/14/2007
	Company Name: Renova Energy, Inc. Facility Name: Heyburn Ethanol Plant Facility ID No.: Brief Project Description: Construction of new ethanol manufacturing plant.	

Please see instructions on next page before filling out the form.

BUILDING AND STRUCTURE INFORMATION

1.	2.	3.	4.	5.	6.	7.
Building ID Number	Length (ft)	Width (ft)	Base Elevation (m)	Building Height (m)	Number of Tiers	Description/Comments
BLD_1 (TK-401a)			Assumed 0	18.75	1	Circular Structure 11.73 m Diameter
BLD_2 (TK-401c)			Assumed 0	18.75	1	Circular Structure 11.73 m Diameter
BLD_3 (TK-401b)			Assumed 0	18.75	1	Circular Structure 11.74 m Diameter
BLD_4 (TK-401d)			Assumed 0	18.75	1	Circular Structure 11.74 m Diameter
BLD_5 (TK-616)			Assumed 0	6.40	1	Circular Structure 6.09 m Diameter
BLD_6 (TK-608)			Assumed 0	17.98	1	Circular Structure 6.70 m Diameter
BLD_7 (TK-601)			Assumed 0	17.98	1	Circular Building 6.70 m Diameter
BLD_8 (TK -501)			Assumed 0	18.29	1	Circular Structure 14.37 m Diameter
BLD_9 (Grain Silo)			Assumed 0	39.62	1	Circular Structure 27.41 m Diameter
BLD_10 (Grain Silo)	116.67	40.19	Assumed 0	39.62	1	Circular Structure 27.78 m Diameter
BLD_11 (Biogas Building)			Assumed 0	6.10	1	Polygonal Structure Shape
BLD_12 (Digester Tank)			Assumed 0	10.36	1	Circular Structure 40.40 m Diameter
BLD_13 (Digester Tank)			Assumed 0	17.37	1	Circular Structure 52.75 m Diameter
BLD_14 (H2S Scrubber)			Assumed 0	3.96	1	Circular Structure 4.74 m Diameter
BLD_15 (H2S Scrubber)			Assumed 0	3.96	1	Circular Structure 4.74 m Diameter
BLD_16 (H2S Scrubber)			Assumed 0	3.96	1	Circular Structure 4.73 m Diameter
BLD_17 (H2S Scrubber)			Assumed 0	3.96	1	Circular Structure 4.73 m Diameter
BLD_18 (Pump House)	40.91	19.78	Assumed 0	3.05	1	Rectangular Structure Shape
BLD_19 (Grain Receiving Building)	80.54	24.15	Assumed 0	12.19	1	Rectangular Structure Shape
BLD_20 (Maintenance Building)	59.81	29.72	Assumed 0	14.02	1	Rectangular Structure Shape
BLD_21 (Ethanol Plant)	126.28	75.00	Assumed 0	14.02	1	Rectangular Structure Shape
BLD_22 (Office)	29.89	79.86	Assumed 0	4.88	1	Rectangular Structure Shape
BLD_23 (Distillation Tower)	50.00	56.43	Assumed 0	16.46	1	Polygonal Structure Shape
BLD_24 (Cooling Tower #2)	24.11	77.56	Assumed 0	8.15	1	Rectangular Structure Shape
BLD_25 (Cooling Tower #1)	27.23	42.32	Assumed 0	8.31	1	Rectangular Structure Shape



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
 02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Renova Energy, Inc.	Facility Name: Heyburn Ethanol Plant	Facility ID No:
Brief Project Description: Construction of new ethanol manufacturing plant		
APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* * If YES then applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES* *If YES please identify sub-part: <u>Kb and Dc</u>
3. Will this project be subject to a MACT (<u>M</u> aximum <u>A</u> chievable <u>C</u> ontrol <u>T</u> echnology) regulation? (40 CFR part 63)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please identify sub-part: _____
THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT		
4. Will this project be subject to a NESHAP (<u>N</u> ational <u>E</u> mission <u>S</u> tandards for <u>H</u> azardous <u>A</u> ir <u>P</u> ollutants) regulation? (40 CFR part 61)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please identify sub-part: _____
5. Will this project be subject to PSD (<u>P</u> revention of <u>S</u> ignificant <u>D</u> eterioration)? (40 CFR section 52.21)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
6. Was netting done for this project to avoid PSD?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please attach netting calculations
<p align="center">IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT</p>		